

## 100 Kilowatt Microturbo Generator

Microturbines are one of the most important commercial-ly available technologies to address the global problems of increasing electrical demand and greenhouse gas emis-sions. They offer the combination of variable output power flexibility along with clean, reliable operation in a small, lightweight package.



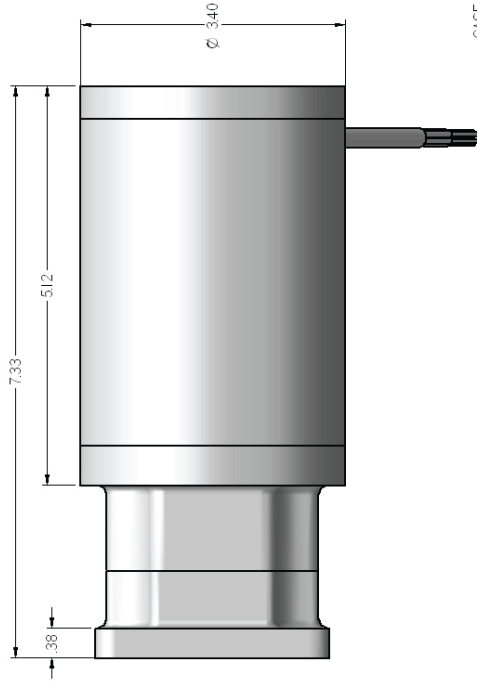
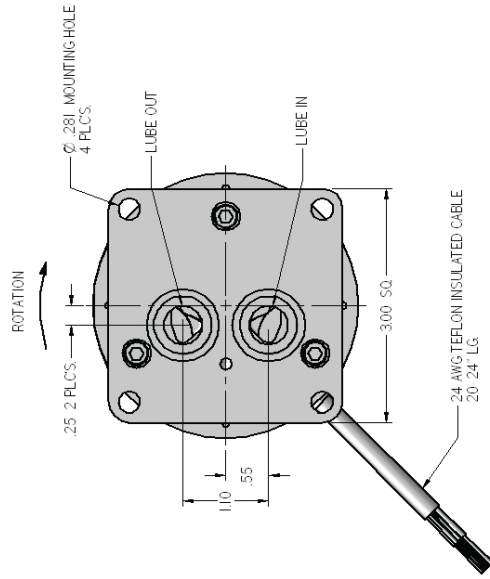
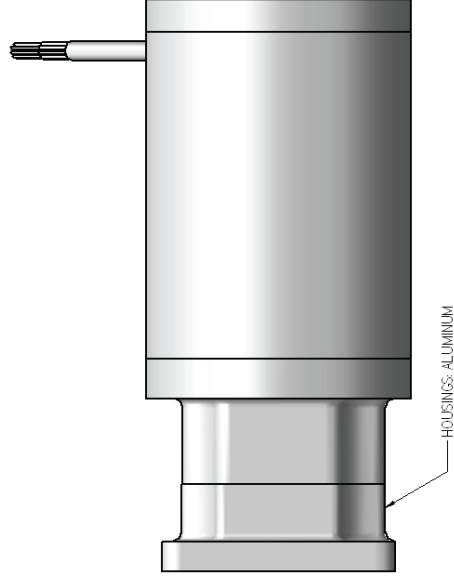
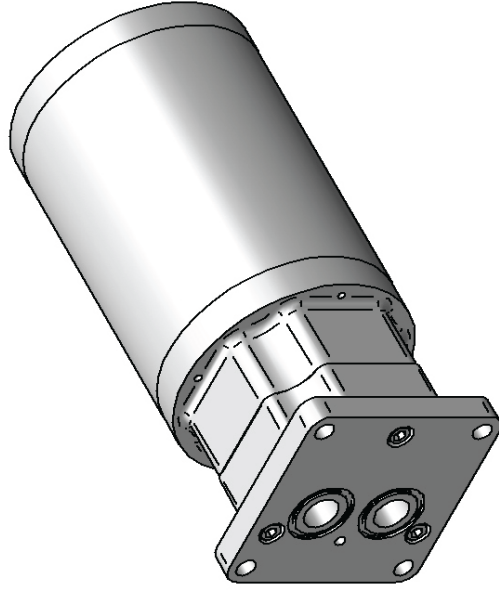
### Pump Description:

The Lube Pump consists of a positive displacement gerotor pump mounted directly to a 24V, permanent magnet, brushless dc drive motor. The lube pump hous-ings are machined from 356-T6 aluminum castings that are coated with a teflon impregnated hard anodized finish for corrosion protection. The pump features PM Gerotor pump elements carried on a hardened steel shaft, supported by pre-greased sealed ball bearings.

### Selected Performance Data:

Fluid	MIL-L-23699, MIL-L-7808
Lube Flow Rate	5.3 GPM
Operating Pressure	80 psig
Temperature Range	-30 degF to +180 degF
Operating Speed - max	3600 rpm
Drive Motor	24 vdc brushless
MTBF	40,000 hours
Duty Cycle	Continuous
Relief Valve	Integral, 90 psid





CASE STUDY CS-069 LUBE PUMP